#1 Bestselling Computer Book Series

"TPFDD'ING For Dummies should come as a standard complement to any other materials when thinking of deployment." - Col Head, G-3

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NEW!

TPFDD'ING FOR DUMMIES

1ST EDITION

A Reference for the Rest of Us!

by J. E. Wirkus & O. Ortiz

Coauthors of the Bestselling *Breathing For Dummies*, 4th Edition

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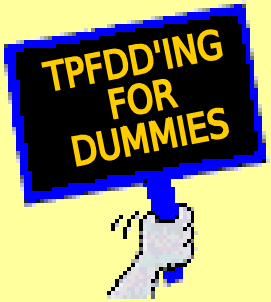
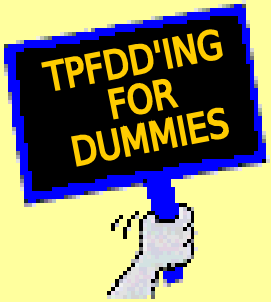
FREE "Cheat Sheet" Inside!



WHAT

- TPFDD - DEFINED
- INGREDIENTS NEEDED TO BUILD A TPFDD
- RECIPE FOR BUILDING A TPFDD
  - HOW TO BUILD A TPFDD (WHO SHOOTS WHO)
- ULN STRUCTURE
- REPORTS
- HOW TO READ A TPFDD
- CODES (FREE CHEAT SHEET)
- REFERENCES

DEMYSTIFY… DEBUNK… FOCUS ON UNDERSTANDING THE PROCESS…



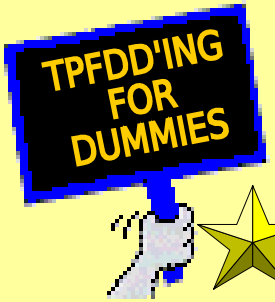
TPFDD - DEFINITIONS

Time Phase Force Deployment Data

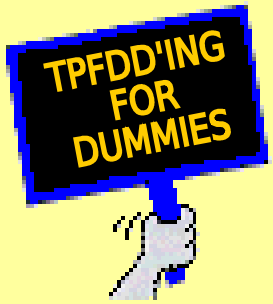
"The JOPES database portion of an operations
plan; it contains time-phased force data, non-unit related cargo and personnel data, and movement data for the operations plan, including… "

CJCSM 3122.02
(Similar to Joint Pub 1-02)

TPFDD - DEFINITIONS



- **In-place units**
- **Units to be deployed to support the operations plan with a priority indicating the desired sequence for their arrival at the POD.**
- **Routing of forces to be deployed**
- **Movement data associated with deploying forces**
- **Estimates of non-unit related cargo and personnel movements to be conducted concurrently with the deployment of forces.**
- **Estimate of transportation requirements that must be fulfilled by common user lift resources.**

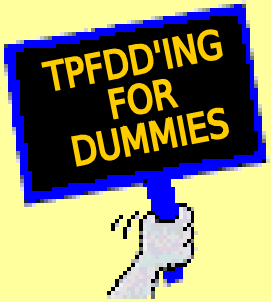


TPFDD - DEFINITIONS

Bottom Line

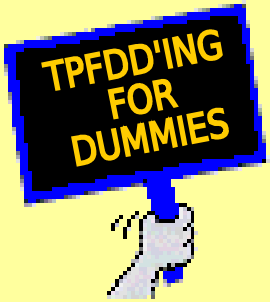
- The TPFDD is a:
  - Force list
  - Identifies CAPABILITIES
  - Deployment Document
    sequence, routing, movement

- The TPFDD is NOT a:
  - Concept of employment
  - Tactical movement document.

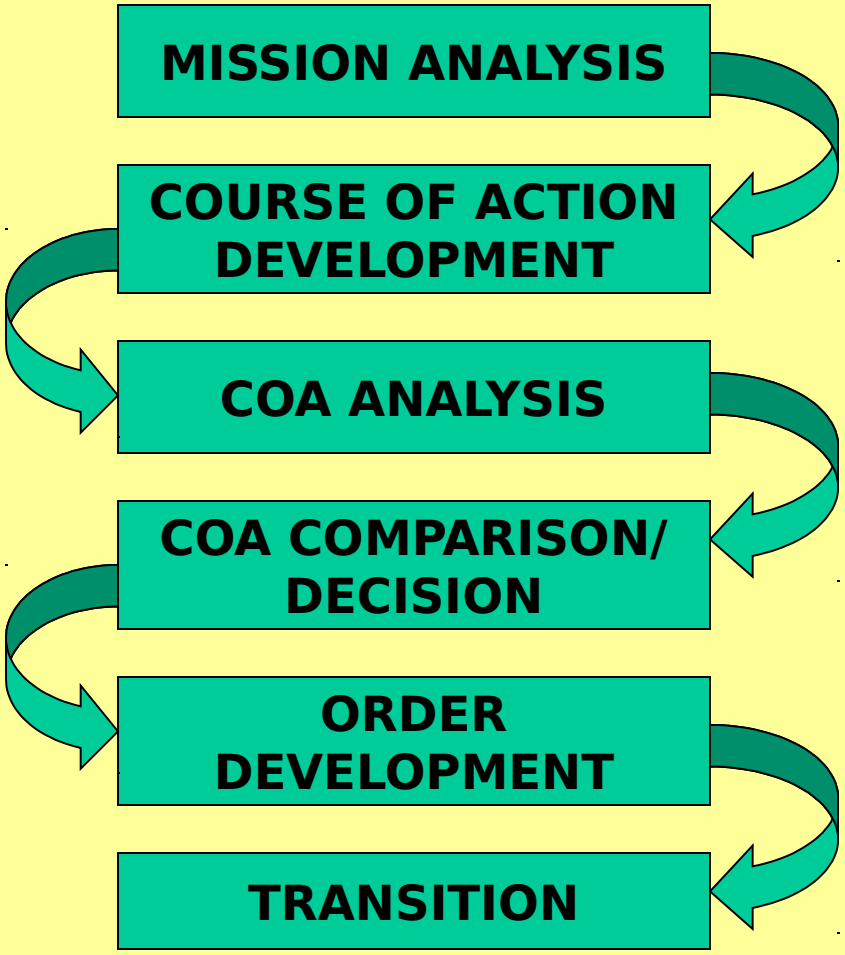


INGREDIENTS FOR A TPFDD

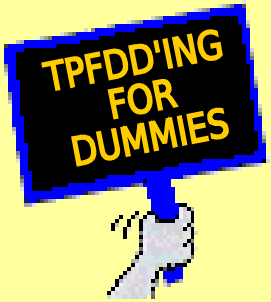
- ✓ PLAN OR CRISIS
- ✓ PLANNING PROCESS



PLANNING PROCESS



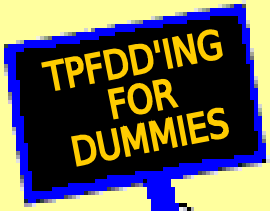
* This process is more often concurrent rather than sequential.



INGREDIENTS FOR A TPFDD

- ✓ PLAN OR CRISIS
- ✓ PLANNING PROCESS
- ✓ TPFDD PROCESS
  - FDP&E PROCESS

TPFDD DEVELOPMENT PROCESS



MISSION

CINC
(SUPPORTING/
SUPPORTED)

FORCE DEFINITION

GUIDANCE TPFDD LOI

COMPONENT/
MEF

INITIAL REQUIREMENTS DEVELOPMENT

ULN (GENERAL)
UTC
SVC
PROVORG
T/P DATA
POD/DESTINATION

TPFDD LOI
GUIDANCE

MEF/
MSC'S

INITIAL REQUIREMENTS SOURCING

UTC
UNIT NAME
T/P DATA
POE
PERS/CGO DETAIL

MSC INPUT

COMPONENT/
MEF/MSC'S

INITIAL REQUIREMENT TIME PHASING

LIFT APPORTIONMENT
ULN ALLOCATION
C DATES
MODE/SOURCE
FORCE MODULES

ALL

TAILOR REQUIREMENTS

ALL

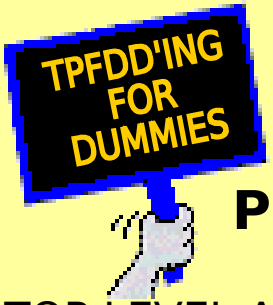
VALIDATE

EXECUTE

MARSHAL/MOVE

CJCS 3150.16

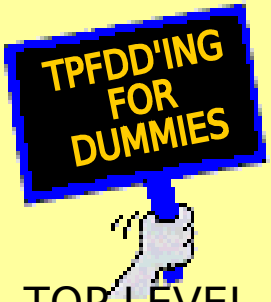
* SUPPORTS PLANNING PROCESS



TRIVIA

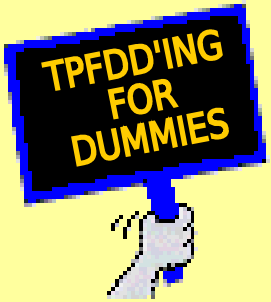
PLANNING PROCESS + TPFDD PROCESS = FDP&E PROC

TOP LEVEL ACTIVITY	ASSOCIATED TASKS
Receive and analyze mission	Establish & monitor newsgroups in GCCS
	Prepare TPFDD LOI
	Activate Operations Planning team
	Conduct mission analysis
Develop concept of operations	Develop preliminary CONOPS
	Develop restatement of mission
	Develop hard copy tasking to execute mission
Determine requirements	Perform initial force & sustainment sizing
	Conduct transportation capability study
	Activate JTF and crisis action teams
Phase deployment flow	Provide commander's estimate and COAs
	Issue warning orders
	Report to JTF commander's for planning
	Develop/refine requirements & TPFDD
	Draft OPLAN



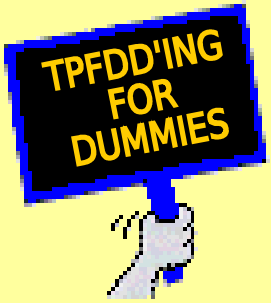
TRIVIA Con't...

TOP LEVEL ACTIVITY	ASSOCIATED TASKS
Source requirements	Source forces Forward unsourced requirements Conduct risk assessment Distribute deployment/execute orders
Tailor requirements	Refine and forward lift requirements Alter phasing or reprioritize phasing
Validate movement requirements	Verify and consolidate requirements Verify TPFDD information correct Validate transportation requirements
Allocate units to lift and load plan	Schedule lift and publish movement schedules Conduct load planning Reconcile discrepancies Conduct origin theater activities
Marshal and move to POE	Marshal forces for movement Move to the POE and monitor movement



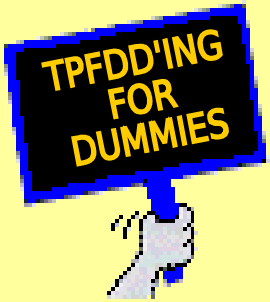
TRIVIA Con’t…

TOP LEVEL ACTIVITY	ASSOCIATED TASKS
Manifest and move to POD	Manifest and reconcile discrepancies Move to the POD and monitor
movement	Report departures & arrivals
Receive and move to final destination	Conduct RSO&I



INGREDIENTS FOR A TPFDD

- PLAN OR CRISIS
- PLANNING PROCESS
- TPFDD PROCESS
  - FDP&E PROCESS
- AUTOMATED SYSTEMS
  - JOPES/GCCS
  - MAGTF II
  - MDSS II



AUTOMATED SYSTEMS

TPFDD

TRANSCOM

MTMC

CONUS MOVEMENT

AMC

STATEGIC AIRLIFT

MSC

STATEGIC SEALIFT

JOPES

JCS

MAGTF II

CINC

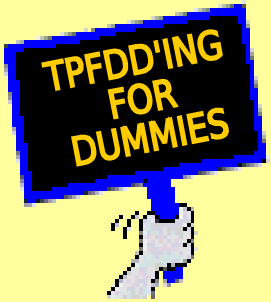
MDSS II

CAEMS

CALMS

TCAIMS

ATLAS



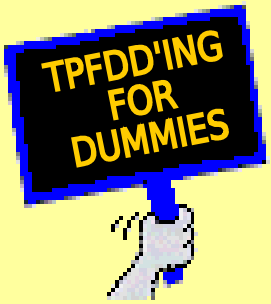
AUTOMATED SYSTEMS

UNIT ⟵ MSC/MEF ⟵ FORCE

UNIT LEVEL DATA ⟶ MSC/MEF ⟶ FORCE

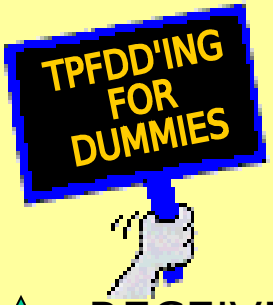
= REMOVE A LINK IN THE CHAIN, WHAT HAPPENS?

= GARBAGE IN - GARBAGE OUT THEORY
(DATA INTEGRITY IS ESSENTIAL!!!)



INGREDIENTS FOR A TPFDD

- ✓ PLAN OR CRISIS
- ✓ PLANNING PROCESS
- ✓ TPFDD PROCESS
- ✓ AUTOMATED SYSTEMS
- ✓ TPFDD LOI
  - HHQ
  - AMPLIFYING GUIDANCE
    (PLAN ID, NEWSGROUP ID,
    EAD/LAD GUIDELINES, VALIDATION
    WINDOWS, MILESTONES, ETC.)



RECIPE FOR BUILDING A TPFDD

WIRKUS' RULES: (BEFORE MIXING INGREDIENTS)

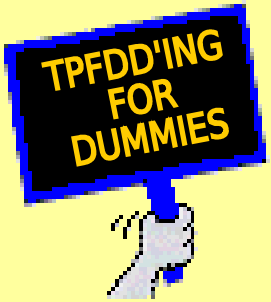
- RECEIVE AND ANALYZE MISSION
  - ISSUE TPFDD LOI
  - STAND-UP OPT
  - CONDUCT MISSION ANALYSIS

- DETERMINE DATA SOURCE
  - EXISTING PLAN/TPFDD (OFF-THE SHELF)
  - SCRATCH

- DATA FLOW - WHAT COMES DOWN, MUST GO BACK UP
  COMPONENT → MEF → MSC → BN/SQDN → MSC → MEF → COMPONENT

- LEVEL OF DETAIL AGREEMENT
  LEVEL V/VI - MDSS = LEVEL IV JOPES

- THE FSSG WILL USUALLY DEPLOY IN 4 CHUNKS: MPF AA/THROUGHPUT ORGANIZATIONS, FSSG (FWD) FOR MPF OPS (FIE), AMPHIB CSSE (AE/AFOE), AND EVERYONE ELSE (FOE/FOS)



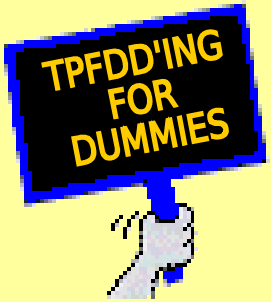
RECIPE

(FROM THE UNIT PERSPECTIVE)

STEP 1: MAGTF/MEF COMMANDER TASK ORGANIZES AND CREATES A FORCE LIST BASED ON THE CONCEPT OF OPERATIONS. THIS FORCE LIST IS BROKEN OUT BY MSC IN ULN SEQUENCE AND DISTRIBUTED VIA MAGTF II. (FRN'S/ULN'S, UTC'S)

STEP 2: MAGTF II REQUIREMENTS ARE THEN SCREENED BY THE MSC, MODIFIED BASED ON CONCEPT OF CSS, CONCEPT OF LOGISTICS, AND CAPABILITY REQUIREMENTS. (OPT/G3 PLANS/CAT)

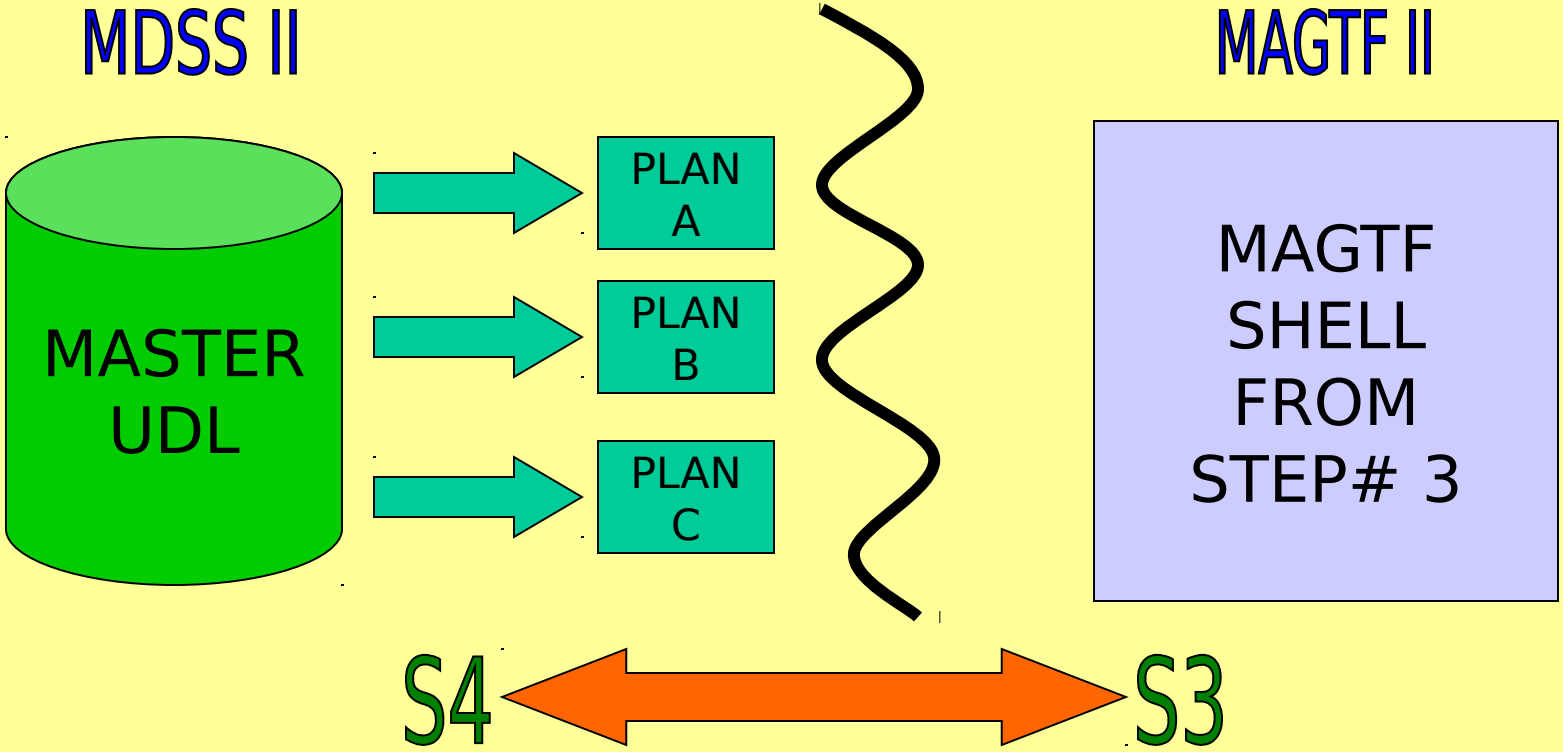
STEP 3: MAGTF II REQUIREMENTS ARE THEN FORWARDED TO THE UNIT LEVEL (S3) FOR SOURCING. (PAY ATTENTION HERE FOLKS, THIS IS WHERE WE ALWAYS LOSE IT!)

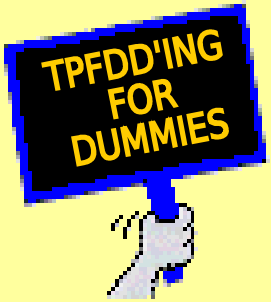


RECIPE

CON'T...

STEP 4: UNITS WILL SOURCE REQUIREMENTS FROM MDSS II MASTER UDL, IN LEVEL V AND VI DETAIL.





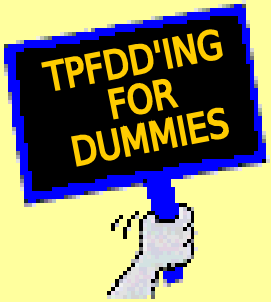
RECIPE

CON'T...

STEP 5: UNITS WILL FORWARD SOURCED MAGTF II DATA TO THE MSC (IN OUR CASE, G3 PLANS). LIKE SANTA CLAUS, WE KNOW IF IT'S BEEN SOURCED FROM MDSS II (FIC CODE "9").

STEP 6: MSC'S WILL CONSOLIDATE UNIT MAGTF'S, INPUT ALL REQUIRED MOVEMENT DATA INTO MAGTF II PER TPFDD GUIDANCE/LOI, AND CORRECT ANY FATAL ERRORS. (NOTE: ANY CORRECTIONS/CHANGES MADE AT THE MSC LEVEL MUST BE COORDINATED W/ THE UNIT(S)).

STEP 7: MSC'S SUBMIT CONSOLIDATED MAGTF DATA TO MEF. MEF WILL CONSOLIDATE ALL INPUT FROM ITS MSC'S AND SUBMIT TO COMPONENT FOR UPLOAD INTO RDA.



RECIPE

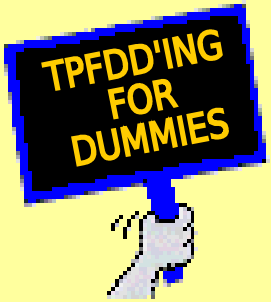
CON'T...

STEP 8: ONCE THE MAGTF DATA IS LOADED INTO RDA, THEN EACH MSC AND THE MEF CHECKS FOR AND CORRECTS LOGICAL/FATAL ERRORS.

STEP 9: ONCE ERRORS ARE FIXED, THE COMPONENT RUNS JOINT FORCE ANALYSIS SYSTEM FOR TRANSPORTATION (JFAST) AND RDA ERROR REPORTS. MEF/MSC'S CORRECT ANY ERRORS AND MOVEMENT DATA IF NECESSARY.

STEP 10: CONTINUE TO TAILOR REQUIREMENTS BASED ON HHQ GUIDANCE AND METT-T. (IS THIS THE CAPABILITY REQUIRED???)

STEP 11: VALIDATE, VALIDATE, VALIDATE (AS DIRECTED)

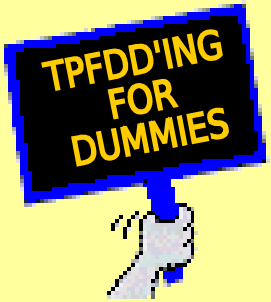


RECIPE

CON'T...

STEP 12: EXECUTE:
- ALLOCATE LIFT AND LOAD PLAN
- MARSHAL AND MOVE TO POE
- MANIFEST AND MOVE TO POD
- RECEIVE AND MOVE TO FINAL DESTINATION
- CONDUCT RSO&I

NOTE: IF MDSS DATA DOES NOT MATCH TPFDD, THEN WE'RE SCREWED!!!



ULN STRUCTURE

1 2 3 4 5 6 7

CINC DIRECTED
M = PACOM
W = CENTCOM

MARFORPAC DIRECTED
2 = FIE
3 = AMPHIB
6 = SUSTAINMENT
9 = MPS/PREPO
(ON SHIP)

MARFORPAC DIRECTED
A = CE
B = GCE
C = ACE
D = CSSE

I MEF DIRECTED
A = I MEF CE
B = 1ST MARDIV
C = 3D MAW
D = 1ST FSSG

1ST FSSG DIRECTED
1 = AMPHIB AE
2 = AMPHIB AFOE
A = SLRP
B = OPP
D = LFSP
F = AAOE
G = FSSG (FWD)/FIE
H = FOE/FSSG MAIN
J = FOS/ACCOMPANYING SUPPLIES
K-Z = RESERVED FOR FUTURE USE

1ST FSSG DIRECTED
0 = ROUNDUP CARGO

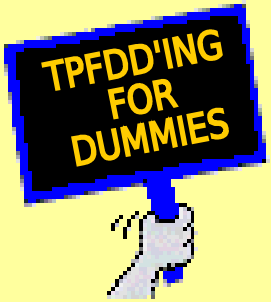
A = HQSVCBN
B = SUP BN
C = MAINT BN
D = ESB
E = LSB/MT (TSB)*
F = MED BN
G = DEN BN
H-Z = MCSSD/CSSD/MISC

1ST FSSG DIRECTED
1-9 = ROUNDUP CARGO
A-Z = COMPANY DET

* TSB (TRANSPORTATION SUPPORT BN WILL USE 7TH MT BN'S UIC (M11650) UNTIL FURTHER GUIDANCE IS GIVEN.

>> ***NEVER USE LETTERS I OR O IN ULN STRUCTURE.***

** LETTER "C" IN 5TH POSITION USED FOR CARGO-ONLY ULN.
** LETTER "P" IN 5TH POSITION USED FOR PAX-ONLY ULN.
** LETTER "E" IN 5TH POSITION MEANS DO NOT SPLIT ULN.



ULN STRUCTURE

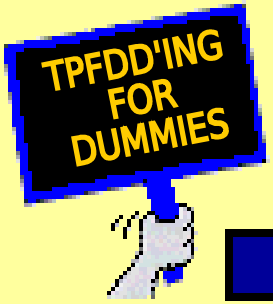
FUTURE ULN STRUCTURE

- LESS CUMBERSOME
- FACILITATES TASK ORGANIZATION
- FACILITATES SPLIT SHIPMENT

W D * * *

TESTED IN 1020

IT WORKS!!!



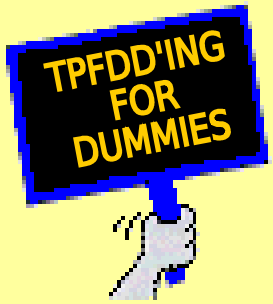
TPFDD REPORTS

- JOPES REPORTS WE ARE CONCERNED WITH:

- F11D - SUMMARY OF FORCES AND DEPLOYMENT DATA.

- F11W - FORCES AND LEVEL 4 DETAIL OF CARGO.

- F11E - SQUARE FOOTAGE AND MEASUREMENT TONNAGE.



HOW TO READ A TPFDD

F11D

FIC: DATA SOURCE

TOTAL CARGO SHORT TONS (ROLL-UP)

APOD/SPOD

ULN/ CIN/ PIN	C E I	FORCE DESCRIPTION/SERVICE RESERVED UNIT NAME/UIC	UTC ORIGIN	ULC	F I C	P I C	S V C	PROV ORGN NAME	AUTH PERS/ PAX	TOTAL STONS/ CBBLS	LOCATION NAME POD/ DESTINATION	EAD	LAD/ RDD	MODE POD/ DEST	S R C	PRI ADD	PCD	S C H
W2DD4		AAOE DET 1ST FSSG	JVBGA	GRP	9	X	M	5	241	20.80	HEATHROW INTL	C999	C999	A		K		0
		1ST FSSG M28300	CAMP PENDLET							0.00	LONDON			C999		L		D
W2DD5AA		FSSG FWD HQ	9VCAA	DET	9	X	M	5	76	121.30	HEATHROW INTL	C999	C999	A		K		0
		1ST FSSG M28301	CAMP PENDLET							0.00	LONDON			C999		L		D

ULN

FORCE DESCRIPTION
UNIT NAME
PARENT COMMAND

UIC

UTC

ORIGIN

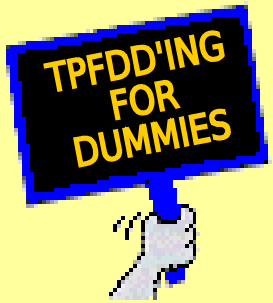
UNIT LEVEL

OF PAX

FINAL DESTINATION

WHEN WE HAVE TO BE THERE

HOW WE'RE GONNA GET THERE



HOW TO READ A TPFDD

F11W

ULN
UIC

WHOSE STUFF

PAX

ORIGIN

POE

POD

```
- ULN--                ---FORCE DESCRIPTION---                PRO  SVC  -UTC-  ULC  FIC PIC  ORGN   RLD   M  S   POE   ALD   M  S   POD   EDD EAD FAD LAD C
--UIC--                -----UNIT NAME-----                     APERS          NRPAX          PRI/AO M S  DEST      RDD   M S  INT   DLY     L T
CCC                                                           HEAVY LIFT                                                                    POL (MBBL)
CARGO-DESCR-
                       PCS  LNTH  WDT  HGT  SQFEET     BULK(ST)     BULK(MT)     OVER(ST)     OVER(MT)     OUT(ST)     OUT(MT)     NAT(ST)     NAT(MT)

W2DD3AF                LFSP DET, ENGR BN              5    M  4WBGA  DET  9      ETZP  C999  L  G  GUPL  C999  A  K  KTPL  C999        C999
 M21300                 1ST FSSG                      74              74          006Z  L  D  APGN  C999
J3C
 463L QUADCON          3    88   108   96    66        2            12.1

J3C  TOTALS                                198         6            37

R2D
A1957 MRC-145          1    185   85   83    110                                                  2.6          18.9
B2566 FORKLIFT         1    196   78   79    107                                                  5.5          17.5

R2D  TOTALS                                217                                                  8.1          37
```

CAT CODE

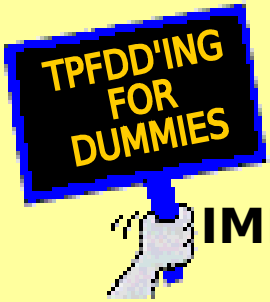
LVL 5/6 DETAIL FROM MDSS II

QTY & DIMENSIONS

TOTAL WEIGHT

MODE SOURCE

WHEN THE STUFF NEEDS TO ARRIVE



CODES

IMPORTANT CODES:

- FORCE INDICATOR CODES (FIC)
  - WE WANT “9”

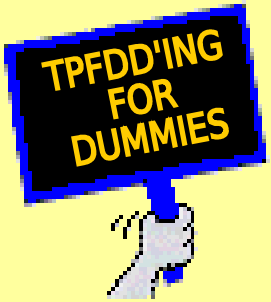
- TRANSPORTATION MODE/SOURCE
  - AK
  - SE, SW, SC

- CARGO CATEGORY CODES
  - HEY, S4’S - YOU CANNOT CONTAINERIZE HMMWV’S!!!

- POO/POE/POD/DESTINATION
  - 4 CHARACTER CODE

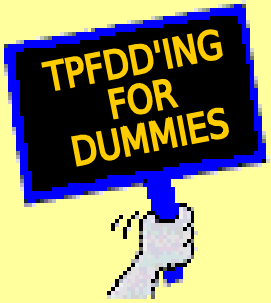
- RDD, LAD. EAD. ALD. RLD
  - ALWAYS BACKWARDS PLAN

- SEE ‘PLACEMAT’



REFERENCES

- FSSG’S TPFDD SOP (GRUO P3080.3) DRAFT
- JOINT PUB 5-03.1
- CJCSM 3122.02/3122.03/3150.16
- MCO P3000.18
- MAGTF TRAINING MANUAL
- G3 PLANNERS
- G4 EMBARK



QUESTIONS?